

SEQUENCE LISTING

<110> NAM, Hong Gil
KIM, Jeong Sik
PARK, Don Ha
LIM, Pyung Ok

<120> Flowering time-controlling gene COG2 isolated from
Arabidopsis thaliana

<130> Q97444

<140> US 10/594,578
<141> 2006-09-27

<150> KR 10-2004-0021216
<151> 2004-03-29

<150> PCT/KR2005/000910
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ccaagatgca agagcatgga gacaaagttc tgttacttca acaactacaa cgттаатсag 240
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gttcccgtcg gcgccgggtcg tcggaagtcc aaaccacctg gtcgtgtcgt ggттggtatg 360
cttggagatg gaaatgggtg tcgccaagtc gagcttataa atggcttgct cgttgaggag 420
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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Gln | Glu | Ala | Thr | Ile | Ala | Val | Arg | Ser | Ser | Ser | Ser | Ser | Asp | Leu |
| | | 35 | | | | | 40 | | | | | 45 | | | |
| Thr | Ala | Glu | Lys | Arg | Pro | Asp | Lys | Ile | Ile | Ala | Cys | Pro | Arg | Cys | Lys |
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| Ser | Met | Glu | Thr | Lys | Phe | Cys | Tyr | Phe | Asn | Asn | Tyr | Asn | Val | Asn | Gln |
| | 65 | | | | 70 | | | | 75 | | | | | 80 | |
| Pro | Arg | His | Phe | Cys | Lys | Gly | Cys | His | Arg | Tyr | Trp | Thr | Ala | Gly | Gly |
| | | | 85 | | | | | | 90 | | | | | 95 | |
| Ala | Leu | Arg | Asn | Val | Pro | Val | Gly | Ala | Gly | Arg | Arg | Lys | Ser | Lys | Pro |
| | | | 100 | | | | | 105 | | | | | 110 | | |
| Pro | Gly | Arg | Val | Val | Val | Gly | Met | Leu | Gly | Asp | Gly | Asn | Gly | Val | Arg |
| | | 115 | | | | | 120 | | | | | 125 | | | |
| Gln | Val | Glu | Leu | Ile | Asn | Gly | Leu | Leu | Val | Glu | Glu | Trp | Gln | His | Ala |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Ala | Ala | Ala | Ala | His | Gly | Ser | Phe | Arg | His | Asp | Phe | Pro | Met | Lys | Arg |
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 atcataccat gtccgagatg caagagcatg gagactaagt tttgttactt caacaactac 240
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 ggtgggttcg ctgagttgct tggagctgct actggagctg ttgatcaggt cgagctagat 420
 gctttgctag tggaagagtg gagagctgct acggcgctctc acggtgggtt ccggcatgat 480
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| | | | | 5 | | | | | 10 | | | | | 15 | |
| Thr | Phe | Asn | Ala | Asn | Ile | Thr | Gln | Thr | Ile | Lys | Lys | Glu | Glu | Gln | Gln |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Gln | Gln | Gln | Gln | Pro | Glu | Leu | Gln | Ala | Thr | Thr | Ala | Val | Arg | Ser | Pro |
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| Ser | Ser | Asp | Leu | Thr | Ala | Glu | Lys | Arg | Pro | Asp | Lys | Ile | Ile | Pro | Cys |
| | 50 | | | | | 55 | | | | 60 | | | | | |
| Pro | Arg | Cys | Lys | Ser | Met | Glu | Thr | Lys | Phe | Cys | Tyr | Phe | Asn | Asn | Tyr |
| | 65 | | | | 70 | | | | 75 | | | | | 80 | |
| Asn | Val | Asn | Gln | Pro | Arg | His | Phe | Cys | Lys | Gly | Cys | Gln | Arg | Tyr | Trp |
| | | | 85 | | | | | 90 | | | | | 95 | | |
| Thr | Ala | Gly | Gly | Ala | Leu | Arg | Asn | Val | Pro | Val | Gly | Ala | Gly | Arg | Arg |
| | | 100 | | | | | 105 | | | | | 110 | | | |
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<213> Artificial Sequence

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